

## ANTENNA DESCRIPTION

### Equipment Information:

Manufacturer: Ericsson and Kathrein

Modulation schemes: MultiPoint to MultiPoint Integrated Antenna

Station modulation rates: 256 QAM, 64 QAM, 16QAM, QPSK

Mean Peak Power Ericsson: 53 dBm

Mean Peak Power Kathrein: 43 dBm

The antennas will be mounted on hydraulic masts attached to both a mobile trailer and a van, which will be moved to the requested test locations. In most cases, surrounding buildings and trees are taller than the masts; significant nearby natural features and man-made structures are identified in the STA Form site description. The trailer mast can be raised to 10.7 meters, while the CPE receiver on the van is mounted on its roof at a height of 3 meters. The masts on the trailer will be raised only when testing is being conducted.

The Kathrein transmitter will be mounted on a hydraulic mast attached on the van, which will be moved to requested repeater locations for the test. The height of the mast will be raised to 5 meters while the test is being conducted.

